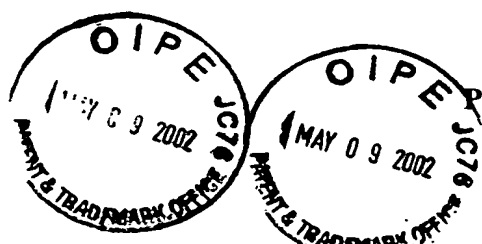


BP 1956

for  
C. Barnes



# POWER OF ATTORNEY FROM ASSIGNEE

Broadcom Corporation, a corporation of California, having a principal place of business at 16215 Alton Parkway, Irvine, California 92618-3616, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on December 11, 2001 of an invention known as **Addition Circuit For Accumulating Redundant Binary Numbers** (Attorney Docket No. 1875.2530000), which is disclosed and claimed in a patent application of the same title by the inventor Simon KNOWLES (said application filed on February 26, 2002 at the U.S. Patent and Trademark Office, having Application Number 10/082,152).

The Assignee hereby appoint the U.S. attorneys James D. Bennett, Registration No. 37,550, and David J. Rosmann, Registration No. 43,059, and the attorneys associated with **CUSTOMER NUMBER 28393** to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Robert Greene Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; and Linda E. Alcorn, Esq., Reg. No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934  
U.S.A.

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Direct phone calls to 202-371-2600.

FOR: Broadcom Corporation  
SIGNATURE: [Signature]  
BY: William J. Ruehle  
TITLE: Vice President and Chief Financial Officer  
DATE: \_\_\_\_\_

SKGF\_DC1:1491.1



## Certificate Under 37 C.F.R. § 3.73(b)

Applicant/Inventor/Owner: Simon KNOWLES

Application No./Patent No.: 10/082,152 Filed/Issue Date: February 26, 2002

Entitled: Addition Circuit For Accumulating Redundant Binary Numbers

Broadcom Corporation, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest, or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was filed in the Patent and Trademark Office on February 26, 2002.
- B. ☐ A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (*i.e.*, the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

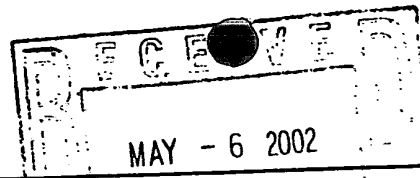
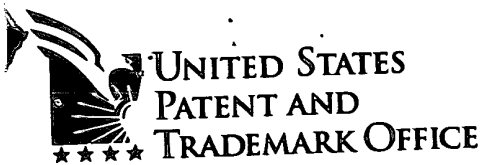
Date: \_\_\_\_\_

Name: William J. Ruehle

Title: Vice President and Chief Financial Officer

Signature: 

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APRIL 30, 2002

PTAS  
STERNE, KESSLER, GOLDSTEIN & FOX ET AL *RES*  
1100 NEW YORK AVE., N.W.  
SUITE 600  
C/O ROBERT SOKOHL  
WASHINGTON, D.C. 20005-3934

STERNE, KESSLER  
GOLDSTEIN & FOX ET AL

5/6  
Commissioner for Trademarks  
Arlington, VA 22202-3513  
www.uspto.gov



\*102007610A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/26/2002

REEL/FRAME: 012637/0846  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
KNOWLES, SIMON

DOC DATE: 12/11/2001

ASSIGNEE:  
BROADCOM CORPORATION  
16215 ALTON PARKWAY  
IRVINE, CALIFORNIA 92618-3616

SERIAL NUMBER: 10082152  
PATENT NUMBER:

FILING DATE: 02/26/2002  
ISSUE DATE:

VIOLET MCCOY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

03-08-2002



Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

102007610

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Simon KNOWLES

02/26/02

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

## 3. Nature of Conveyance:

- ☒ Assignment                      ☐ Merger  
☐ Security Agreement           ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: December 11, 2001

## 2. Name and address of receiving party(ies):

Name: Broadcom Corporation

Internal Address:

Street Address: 16215 Alton Parkway

City: Irvine                      State: CA                      Zip Code: 92618-3616

Country: United States

Additional name(s) & address(es) attached? ☐ yes ☒ no

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is December 11, 2001

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ yes ☒ no

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sterne, Kessler, Goldstein &amp; Fox P.L.L.C.

Internal Address: c/o Robert Sokohl

Street Address: 1100 New York Ave., N.W.  
Suite 600

City: Washington    State: D.C.    Zip Code: 20005-3934

6. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to Deposit Account

## 8. Deposit Account Number: .

19-0036

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert Sokohl

Name of Person Signing  
Registration No. 36,013

Signature

Date

Total number of pages including cover sheet, attachments and document 3Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

03-08-2002 NLAKW1 00000011 10082152

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## ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Simon Knowles, of 3 Laggan House, College Road, Bath, BA1 5RU, England, the undersigned inventor(s) hereby sell(s) and assign(s) to Broadcom Corporation, of 16215 Alton Parkway, Irvine, California, 92619-7013, USA, (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),  
☒ and throughout the world,

(a) in the invention(s) known as "Addition Circuit for Accumulating Redundant Binary Numbers" described in the attached patent specification for which application(s) for patent in the United States of America will be executed by the undersigned, to be assigned, in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.


The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) James D. Bennett, Esquire, Registration No. 37,550; and David J. Rosmann, Esquire, Registration No. 43,059, of Broadcom Corporation, 16215 Alton Parkway, Irvine, CA 92618-3616, and Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No.

33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: 11 Dec 01 Signature of Inventor:   
Simon Knowles